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TITLE: PIEZOELECTRIC CRYSTAL MATERIAL AND
PIEZOELECTRIC OSCILLATOR
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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a gallium phosphate piezoelectric material which can attain any desired apex temperature according to the rotation angle of a rotated Y plate, does not generate a secondary oscillation even when it is a small oscillator piece, and can give a smooth quadric frequency vs. temperature curve.

SOLUTION: The piezoelectric crystal material is characterized in that the side face elongated in the X axis direction and cut from an X-Z' plane formed by counterclockwise rotating the X-Z plane of a gallium phosphate crystal by 10 to 20 degrees around the X axis is leaned counterclockwise by 1 to 3